POSTGRADUATE COURSE IN
LINEAR REGRESSION MODELS FOR CONTINUOUS AND BINARY DATA
Day 5

Today we will consider a study on the possible effect of coffee drinking during pregnancy (here at 3rd trimester) on birth weight.
The data set, *coffee.dta*, contains information on 8000 pregnancies.
You can either choose birth weight (linear regression) or SGA (Small for Gestational Age, binary regression) as the outcome.

Estimate **two** models

The first should focus on the possible effect of coffee drinking during pregnancy on birth weight/SGA.

The second should focus on the possible modification by smoking on the effect of coffee drinking during pregnancy on birth weight/SGA.

The model building should be based on the strategy you learned today.

Carefully go through every step of the strategy and **write down** your decisions.

Remember, that you might have to reiterate some of the steps.

After all this:
        write down the model you want to use and
        estimate the model.

Finally write a summary of your results and a conclusion on the question you are trying to answer